ABSTRACT

In a device (5) for producing a quartz glass crucible (2) a section (14, 15) of a wall (13) of a rotating quartz glass crucible (2) is heated by at least two electrode arrangements (7, 8) which are evenly spaced along the periphery of the quartz glass crucible (2) and create a first and a second electric arc. The use of a plurality of electrode arrangements (7, 8) allows a reduction of the cooling phase of the section (14, 15) i.e. the time until it reaches the next heating zone (11, 12), so that undesirably high temperature differentials in the wall (13) are prevented. At the same time the required heat output of each individual electrode arrangement (7, 8) can be reduced so that vaporization and the concurrent bubble formation is reduced. In addition to the higher levels of quality attainable hereby, the duration of the manufacturing process is also reduced.